



PATENT #6

1996-045 (81841-0138)

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Susumu ARIMORI et al.

Serial No: 09/729,332

Filed: December 4, 2000

For: PHOTO-INDUCED ELECTRON
TRANSFER FLUORESCENT
SENSOR MOLECULES

Art Unit: 1641

Examiner: Ghashghaee Fariba

**TRANSMITTAL OF INFORMATION
DISCLOSURE STATEMENT**Commissioner for Patents
Washington, D.C. 20231

Dear Sirs:

1. ☒ The information disclosure statement submitted herewith is being filed within three months of the filing date of the application other than a continued prosecution application, or within three months of the date of entry into the national stage of an international application, or before the mailing date of a first Office Action on the merits, or before the mailing of a first Office action after the filing of a request for continued examination under §1.114, whichever event occurs last. 37 C.F.R. §1.97(b).
2. ☐ The information disclosure statement transmitted herewith is being filed *after* the period specified in §1.97(b), but *before* the mailing date of a final action under §1.113, or a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, whichever occurs first. A statement specified in §1.97(e) or a fee set forth in §1.17(p) is included. 37 C.F.R. §1.97(c).

§1.97(e) STATEMENT

I, the person signing below, state:

- ☐ that each item of information contained in the information disclosure statement was first cited in the attached communication from a foreign patent office in a counterpart foreign application and that the communication is dated not more than three months prior to the filing of the statement. 37 C.F.R. §1.97(e)(1).

OR

- ☐ that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the

information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the statement. 37 C.F.R. §1.97(e)(2).

OR FEE

- ☐ Attached is a fee set forth in 37 C.F.R. §1.17(p) for submission of an information disclosure statement under §1.97(c). (\$180.00).

3. ☐ The information disclosure statement transmitted herewith is being filed *after* the period specified in §1.97(c), but before, or simultaneously with the payment of the issue fee. A statement specified in §1.97(e) and a fee set forth in §1.17(p) are included. 37 C.F.R. §1.97(d).

§1.97(e) STATEMENT

I, the person signing below, state:

- ☐ that each item of information contained in the information disclosure statement was first cited in the attached communication from a foreign patent office in a counterpart foreign application and that the communication is dated not more than three months prior to the filing of the statement. 37 C.F.R. §1.97(e)(1).

OR

- ☐ that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the statement. 37 C.F.R. §1.97(e)(2).

AND FEE

- ☐ Attached is a fee set forth in 37 C.F.R. §1.17(p) for submission of an information disclosure statement under §1.97(d). (\$180.00).

4. ☒ If it should be determined that for any reason either an insufficient fee or an excessive has been paid, please charge any insufficiency or credit any overpayment necessary to ensure consideration of the information disclosure statement for the above-identified application to Deposit Account No. 50-1314. **A copy of this petition is enclosed.**
5. ☒ A list of 13 reference(s) is in the enclosed Form PTO-1449.

NON-ENGLISH LANGUAGE REFERENCES

- ☐ Enclosed is a search report for a counterpart application. The search report Examiner has provided comments on the relevancy of any non-English language references cited in the search report.
- ☐ The specification incorporates comments on the relevancy of Non-English language references.
- ☐ Set forth below are comments provided by the applicant's home country counsel on the relevancy of non-English language references:

Respectfully submitted,
HOGAN & HARTSON L.L.P.

By: 

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Attorney for Applicant(s)

Date: June 8, 2001

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FORM PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary)

Docket Number (Optional)
1996-045 (81841-0138)

Application Number
09/729,332

Applicant

Susumu ARIMORI et al.

Filing Date
December 4, 2000

Group Art Unit
1641

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FG	4,496,722	01/29/1985	Gallop et al.	544	69	
N	5,212,099	05/18/1993	Marcus	436	172	
N	5,342,789	08/30/1994	Chick et al.	436	501	
N	5,501,949	03/26/1996	Marshall	435	5	
N	5,503,770	04/02/1996	James et al.	252	301.16	
N	5,763,238	06/09/1998	James et al.	436	172	
N	5,798,083	08/25/1998	Massey et al.	422	52	
N	6,002,954	12/14/1999	Van Antwerp et al.	600	317	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
FG	EP 0 729 962 B1	04.09.1996	EPO	C07F	5/02		X
N	DE 44 39 783 A1	1996-04-02	Republic of Germany	C07F	5/02	Abstract	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

FG	"Novel Saccharide-Photoinduced Electron Transfer Sensors Based on the Interaction of Boronic Acid and Maltose," Tony D. James et al., <i>J. Am. Chem. Soc.</i> Vol. 117, No. 35, 1995, pp. 8982-8987.
N	"Fluorescence and CD Spectroscopic Sugar Sensing by a Cyanine-appended Diboronic Acid Probe," Masayuki Takeuchi et al., <i>Tetrahedron</i> , Vol. 52, No. 4, pp. 1195-1204, 1996.
N	"Synthetic Receptors," James H. Hartley et al., <i>J. Chem. Soc., Perkin Trans. 1</i> , 2000, pp. 3155-3184.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.